UK Bowman Waveform Certified for JTRS

SAN DIEGO – The Joint Tactical Radio System (JTRS) Test and Evaluation Laboratory has certified the JTRS Bowman Waveform as compliant with the Software Communication Architecture with waivers. The Bowman Waveform capability is now available for integration into JTRS radio products. The Bowman Waveform enhances tactical command and control interoperability between the United Kingdom and the United States, significantly increasing the capabilities of the joint warfighter.

The United States and the United Kingdom implemented an international project arrangement in September 2002 to broaden tactical interoperability between the two countries using the U.K.'s Bowman communications system. This project arrangement involved sharing a U.K. developed cryptographic algorithm, that demonstrating a high level of trust and importance on maintaining tactical communications between both countries. The Joint Program Executive Office for JTRS, led by its Network Enterprise Domain, provided oversight of the US government's contract with ITT Corporation in Clifton, N.J. to develop the JTRS Bowman Waveform implementation for JTRS software defined radios.

About JTRS

The Joint Tactical Radio System, headquartered in San Diego, Calif, was initiated in early 1997 to improve and consolidate the Services' pursuit of separate solutions to replace existing legacy radios in the Department of Defense (DoD) inventory. The JTRS program has evolved from separate radio replacement programs to an integrated effort to network multiple weapon system platforms and forward combat units where it matters most – the last tactical mile. JTRS will link the power of the Global Information Grid to the warfigther in applying fire effects and achieving overall battlefield superiority.
JTRS is developing an open architecture of cutting edge radio waveform technology that allows multiple radio types (e.g., handheld, aircraft, maritime) to communicate with each other. The goal is to produce a family of interoperable, modular software-defined radios which operate as nodes in a network to ensure secure wireless communication and networking services for mobile and fixed forces. These goals extend to U.S. allies, joint and coalition partners and, in time, disaster response personnel.